

WHAT IS CLAIMED IS:

1. A beverage dispenser, comprising:
 - a water supply;
 - a CO₂ source;
 - a carbonator coupled to said water supply and said CO₂ source, said carbonator including at least one hydrophobic hollow fiber proximate to which water is carbonated; and
 - a beverage syrup source, such that beverage syrup and carbonated water are dispensed to form finished drinks.
2. The dispenser of Claim 1, wherein CO₂ is supplied through said hollow fiber.
3. The dispenser of Claim 2, wherein water flows across the outside of said hollow fiber.
4. The dispenser of Claim 1, wherein water is supplied through said hollow fiber.
5. The dispenser of Claim 1, and further comprising a water treatment system, such that said water supply comprises treated water.
6. The dispenser of Claim 5, wherein said water treatment system comprises a reverse osmosis water treatment system.
7. The dispenser of Claim 6, and further comprising a reservoir coupled to said reverse osmosis water treatment system, said reservoir also being coupled to said carbonator.
8. The dispenser of Claim 1, wherein said hydrophobic hollow fiber comprises polypropylene.
9. The dispenser of Claim 1, and further comprising a plain water circuit, such that both carbonated and non-carbonated beverages may be produced.

19. The method of Claim 15, and further comprising dispensing non-carbonated water, such that both carbonated and non-carbonated beverages may be produced.
20. The method of Claim 15, and further comprising pre-carbonating the water before carbonating the water.